

Comparisons of Job Characteristics

Focus Occupation: [Welders, Cutters, Solderers, and Brazers \(51-4121\)](#)

Associated Occupation: [Riggers \(49-9096\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)

Associated Occupation: Riggers (49-9096)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	15.1	9.5	<<	Extensive education and/or training may be required
Building and Construction	4.0	11.9	4.9	<<	Extensive education and/or training may be required
Design	5.2	10.7	6.0	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	9.7	6.4	<<	Extensive education and/or training may be required
Production and Processing	6.0	9.7	6.4	<<	Extensive education and/or training may be required
Transportation	4.6	9.7	2.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)

Associated Occupation: Riggers (49-9096)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	8.7	5.9	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	6.7	6.2	0	Current skill level may be sufficient
Equipment Selection	3.3	6.6	5.4	<	A higher skill level may be required
Repairing	3.4	6.1	5.9	0	Current skill level may be sufficient
Equipment Maintenance	3.5	5.9	5.9	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 75			
Focus Occupation: Welders, Cutters, Solderers, and Brazers (51-4121) Associated Occupation: Riggers (49-9096)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Visualization	7.5	11.0	8.6	<	Some improvement in abilities may be required
Depth Perception	5.3	10.7	7.1	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	8.1	3.2	<<	Extensive improvement in abilities may be required
Gross Body Coordination	3.9	7.5	4.0	<<	Extensive improvement in abilities may be required
Stamina	4.0	7.3	5.1	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	5.8	2.2	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	5.8	2.2	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	5.6	2.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 65
Focus Occupation: Welders, Cutters, Solderers, and Brazers (51-4121) Associated Occupation: Riggers (49-9096)		
Work Activities	Exclusivity of Activity	
Apply cleaning solvents	41	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Move or fit heavy objects	8	
Perform safety inspections in industrial, manufacturing or repair setting	32	
Read work order, instructions, formulas, or processing charts	9	
Signal directions or warnings to coworkers	42	
Use hand or power tools	2	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)

Associated Occupation: Riggers (49-9096)

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.